


```

1 0001 0 %TITLE 'EDT$TIECHO - echo a character'
2 0002 0 MODULE EDT$TIECHO ( ! Echo a character
3 0003 0 IDENT = 'V04-000' ! File: TIECHO.BLI Edit: JBS1006
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 **
32 0032 1 FACILITY: EDT -- The DEC Standard Editor
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 Echo a character on the echo line.
37 0037 1
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: June 9, 1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
45 0045 1 extracting routine EDT$TIECHOCH from module TINPUT.
46 0046 1 1-002 - Regularized headers. JBS 24-Feb-1981
47 0047 1 1-003 - Fix module name. JBS 11-Mar-1981
48 0048 1 1-004 - Modify for new error message coordination. SMB 24-Jun-1982
49 0049 1 1-005 - Don't update EDT$SG_PRV_COL, EDT$FMT_CH is maintaining it. JBS 05-Oct-1982
50 0050 1 1-006 - Don't write into the parameter list. JBS 17-Jun-1983
51 0051 1 --
52 0052 1

```

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: 54 0053 1 %SBTTL 'Declarations'
: 55 0054 1
: 56 0055 1 : TABLE OF CONTENTS:
: 57 0056 1
: 58 0057 1
: 59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 60 0497 1
: 61 0498 1 FORWARD ROUTINE
: 62 0499 1 EDT$TI_ECHOCH : NOVALUE;
: 63 0500 1
: 64 0501 1
: 65 0502 1 : INCLUDE FILES:
: 66 0503 1
: 67 0504 1
: 68 0505 1 REQUIRE 'EDTSRC:EDTREQ';
: 69 0640 1
: 70 0641 1
: 71 0642 1 : MACROS:
: 72 0643 1
: 73 0644 1 : NONE
: 74 0645 1
: 75 0646 1 : EQUATED SYMBOLS:
: 76 0647 1
: 77 0648 1 : NONE
: 78 0649 1
: 79 0650 1 : OWN STORAGE:
: 80 0651 1
: 81 0652 1 : NONE
: 82 0653 1
: 83 0654 1 : EXTERNAL REFERENCES:
: 84 0655 1
: 85 0656 1 : in the routine
```

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87 0657 1 %$BTTL 'EDT$$TI_ECHOCH - echo a character'
88 0658 1
89 0659 1 GLOBAL ROUTINE EDT$$TI_ECHOCH (           ! Echo a character
90 0660 1     CHAR                               ! Character to echo
91 0661 1     ) : NOVALUE =
92 0662 1
93 0663 1 !++
94 0664 1 ! FUNCTIONAL DESCRIPTION:
95 0665 1
96 0666 1     Echo a character on the echo line.  If the character is a control character
97 0667 1     it is echoed as ^letter.  The echo flag is set to indicate that the line
98 0668 1     will need to be erased in the future.
99 0669 1
100 0670 1 FORMAL PARAMETERS:
101 0671 1
102 0672 1     CHAR                the character to be echoed.
103 0673 1
104 0674 1 IMPLICIT INPUTS:
105 0675 1
106 0676 1     EDT$$G_TIN_ECHOFLG
107 0677 1     EDT$$G_TIN_ECHOPOS
108 0678 1
109 0679 1 IMPLICIT OUTPUTS:
110 0680 1
111 0681 1     EDT$$G_TIN_ECHOFLG
112 0682 1     EDT$$G_TIN_ECHOPOS
113 0683 1
114 0684 1 ROUTINE VALUE:
115 0685 1
116 0686 1     NONE
117 0687 1
118 0688 1 SIDE EFFECTS:
119 0689 1
120 0690 1     NONE
121 0691 1
122 0692 1 --
123 0693 1
124 0694 2 BEGIN
125 0695 2
126 0696 2 EXTERNAL ROUTINE
127 0697 2     EDT$$FMT_CH,
128 0698 2     EDT$$OUT_FMTBUF,
129 0699 2     EDT$$SC_POSCSIF;
130 0700 2
131 0701 2 EXTERNAL
132 0702 2     EDT$$G_KPAD,           ! Are we in Keypad mode
133 0703 2     EDT$$G_MESSAGE_LINE, ! Echo line
134 0704 2     EDT$$G_TIN_ECHOFLG, ! Flag indicating character have been echoed
135 0705 2     EDT$$G_TIN_ECHOPOS;  ! Position on the echo line
136 0706 2
137 0707 2 LOCAL
138 0708 2     CH;
139 0709 2
140 0710 3 IF (.EDT$$G_TIN_ECHOFLG EQL 0)
141 0711 2 THEN
142 0712 2 !+
143 0713 2 ! For nokeypad commands do the echoing on the first message line

```

```

144 0714 2 ! otherwise echo on the last message line.
145 0715 2 !-
146 0716 2
147 0717 3     IF ( NOT .EDT$$G_KPAD)
148 0718 2     THEN
149 0719 2         EDT$$SC_POSCSIF (.EDT$$G_MESSAGE_LINE, .EDT$$G_TIN_ECHOPOS)
150 0720 2     ELSE
151 0721 2         EDT$$SC_POSCSIF (.EDT$$G_MESSAGE_LINE + 1, .EDT$$G_TIN_ECHOPOS);
152 0722 2
153 0723 2     CH = .CHAR;
154 0724 2
155 0725 3     IF (.CH LSS %C' ')
156 0726 2     THEN
157 0727 3         BEGIN
158 0728 3             EDT$$FMT_CH (%C'^');
159 0729 3             EDT$$G_TIN_ECHOPOS = .EDT$$G_TIN_ECHOPOS + 1;
160 0730 3             CH = .CH + %C'@';
161 0731 2         END;
162 0732 2
163 0733 2     EDT$$FMT_CH (.CH);
164 0734 2     EDT$$OUT_FMTBUF ();
165 0735 2     EDT$$G_TIN_ECHOPOS = .EDT$$G_TIN_ECHOPOS + 1;
166 0736 2     EDT$$G_TIN_ECHOFLG = 1;
167 0737 1     END;

```

! of routine EDT\$\$TI_ECHOCH

```

.TITLE EDT$TIECHO EDT$TIECHO - echo a character
.IDENT \V04-000\

.EXTRN EDT$$FMT_CH, EDT$$OUT_FMTBUF
.EXTRN EDT$$SC_POSCSIF
.EXTRN EDT$$G_KPAD, EDT$$G_MESSAGE_LINE
.EXTRN EDT$$G_TIN_ECHOFLG
.EXTRN EDT$$G_TIN_ECHOPOS

```

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

| | | | | | | |
|-----------|-----------|----|-------------|--------|------------------------------------|--------|
| | | | 003C 00000 | .ENTRY | EDT\$\$TI_ECHOCH, Save R2,R3,R4,R5 | : 0659 |
| 55 | 00000000G | 00 | 9E 00002 | MOVAB | EDT\$\$G_TIN_ECHOFLG, R5 | |
| 54 | 00000000G | 00 | 9E 00009 | MOVAB | EDT\$\$FMT_CH, R4 | |
| 53 | 00000000G | 00 | 9E 00010 | MOVAB | EDT\$\$G_TIN_ECHOPOS, R3 | |
| | | 65 | D5 00017 | TSTL | EDT\$\$G_TIN_ECHOFLG | : 0710 |
| | | 23 | 12 00019 | BNEQ | 3\$ | |
| 50 | | 63 | D0 0001B | MOVL | EDT\$\$G_TIN_ECHOPOS, R0 | : 0719 |
| 52 | 00000000G | 00 | D0 0001E | MOVL | EDT\$\$G_MESSAGE_LINE, R2 | |
| 06 | 00000000G | 00 | E8 00025 | BLBS | EDT\$\$G_KPAD, 1\$ | : 0717 |
| | | 50 | DD 0002C | PUSHL | R0 | : 0719 |
| | | 52 | DD 0002E | PUSHL | R2 | |
| | | 05 | 11 00030 | BRB | 2\$ | |
| | | 50 | DD 00032 | PUSHL | R0 | : 0721 |
| | | 01 | A2 9F 00034 | PUSHAB | 1(R2) | |
| 00000000G | 00 | 02 | FB 00037 | CALLS | #2, EDT\$\$SC_POSCSIF | |
| | 52 | 04 | AC D0 0003E | MOVL | CHAR, CH | : 0723 |
| | 20 | | 52 D1 00042 | CMPL | CH, #32 | : 0725 |
| | | 0D | 18 00045 | BGEQ | 4\$ | |
| | 7E | 5E | 8F 9A 00047 | MOVZBL | #94, -(SP) | : 0728 |
| | 64 | | 01 FB 0004B | CALLS | #1, EDT\$\$FMT_CH | |

EDTSTIECHO
V04-000

EDTSTIECHO - echo a character
EDTSS1_ECHOCH - echo a character

C 10
16-Sep-1984 01:55:38
14-Sep-1984 12:24:51

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TIECHO.BLI;1

| | | | | | | | | |
|-----------|----|----|----|----------|-------|------------------------|---|------|
| | | 63 | D6 | 0004E | INCL | EDTSSG_TIN_ECHOPOS | : | 0729 |
| | 52 | 40 | A2 | 9E 00050 | MOVAB | 64(R2), CH | : | 0730 |
| | | | 52 | DD 00054 | PUSHL | CH | : | 0733 |
| | 64 | | 01 | FB 00056 | CALLS | #1, EDTSSFMT_CH | : | |
| 00000000G | 00 | | 00 | FB 00059 | CALLS | #0, EDTSSOUT_FMTBUF | : | 0734 |
| | 65 | | 63 | D6 00060 | INCL | EDTSSG_TIN_ECHOPOS | : | 0735 |
| | | | 01 | D0 00062 | MOVL | #1, EDTSSG_TIN_ECHOFLG | : | 0736 |
| | | | 04 | 00065 | RET | | : | 0737 |

: Routine Size: 102 bytes, Routine Base: _EDT\$CODE + 0000

: 168 0738 1
: 169 0739 1 !<BLF/PAGE>

EDT\$TIECHO
V04-000

EDT\$TIECHO - echo a character
EDT\$STI_ECHOCH - echo a character

D 10
16-Sep-1984 01:55:38
14-Sep-1984 12:24:51

VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[EDT.SRC]TIECHO.BLI;1

Page (4)

: 171 0740 1 END
: 172 0741 1
: 173 0742 0 ELUDOM

: of module EDT\$TIECHO

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|--|
| _EDT\$CODE | 102 | NOVEC,NOWRT, RD, EXE, SHR, LCL, REI, CON, PIC,ALIGN(2) |

Library Statistics

| File | Total | Symbols Loaded | Percent | Pages Mapped | Processing Time |
|-------------------------------------|-------|----------------|---------|--------------|-----------------|
| _\$255\$DUA28:[EDT.SRC]EDT.L32;1 | 377 | 0 | 0 | 40 | 00:00.2 |
| _\$255\$DUA28:[EDT.SRC]PSECTS.L32;1 | 2 | 1 | 50 | 7 | 00:00.1 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:TIECHO/OBJ=OBJ\$:TIECHO MSRC\$:TIECHO.BLI/UPDATE=(ENH\$:TIECHO)

: Size: 102 code + 0 data bytes
: Run Time: 00:10.7
: Elapsed Time: 00:13.4
: Lines/CPU Min: 4156
: Lexemes/CPU-Min: 11165
: Memory Used: 68 pages
: Compilation Complete

